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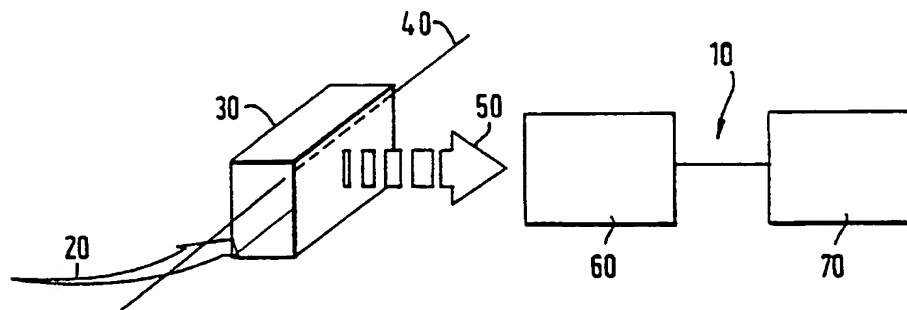
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(54) Title: AVOIDANCE OF POISONING EFFECTS DURING ANESTHESIA



(57) Abstract: For avoiding poisoning effects during anesthesia, the quantitative amount of an anesthetic agent degradation product, preferably carbon monoxide CO and/or trifluoromethane CHF<sub>3</sub>, in an anesthetic gas mixture is determined. When the determined quantitative amount of the anesthetic agent degradation product in the anesthetic gas mixture exceeds a given threshold, an alarm is provided. This is preferably accomplished by measuring a Raman spectrum of the gas mixture, and determining the quantitative amount of the anesthetic agent degradation product in the gas mixture by comparing the measured Raman spectrum with a reference spectrum of the anesthetic agent degradation product.

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